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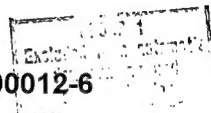
NPIC/TSG/PPS  
14 October 1970

The Center has, and will soon have more, very expensive equipment with unique environmental requirements. While re-location of such equipment is costly, maintenance at the present site is less than optimum because of inherent inadequacies in  This state-of-the-art equipment, such as the High Precision Stereo Comparator, will be with us for many years, and its utility will be enhanced by commensurate facility construction. Special design considerations include <sup>a</sup> vibration-free base for the advanced mensuration tools; heavy duty cooling and power support for new electronic devices; possibly extra shielding because of exaggerated electromagnetic emissions; special lighting for viewing color imagery; advanced pollution control, especially for oncoming processing devices which produce abnormal heat as well as toxic gases; and ultra-clean room requirements for anticipated image enhancement equipment.

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DECLASS REVIEW by NIMA/DOD

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The present NPIC facility is outmoded in that it is essentially a covering or shell for a random gathering of activities and equipment which are united only by their purpose. The new facility should be evolved through a systems approach, beginning with objectives and culminating in a unified imagery exploitation device. New concepts embodied in the ultimate design include advanced techniques for displaying collateral material, and incorporation of multi-sensor information inputs. Design should logically incorporate photo interpretation cells, and modular support components for display, mensuration, and collateral retrieval.

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